

REMARKS

By the present amendment, claim 1 has been amended to be presented with separate paragraphs to recite the step of extracting nucleic acid or protein from a fluid using amino radicals of particulate bodies mixed and dispersed in the fluid containing the nucleic acid or protein.

Claim 6 has been amended to recite particulate bodies comprising the multi-layer dendrimers repeatedly synthesized on the surface of fine particles, and amino radicals covering the surface of the above dendrimers, and to recite that said particulate bodies are capable of being mixed and dispersed in a fluid containing nucleic acid or protein.

Support for the added recitation is found in the original application, for example, on page 2, last full paragraph, and page 6, second paragraph.

Claims 11 and 15 have been rewritten in independent form by incorporating therein the subject matter of claim 1 before the present amendment, and claims 16 and 20 have been rewritten in independent form by incorporating therein the subject matter of claim 6.

New claims 21 and 22 correspond to claims 7 and 2, respectively, but depend on claims 20 and 15, respectively.

New claims 23 and 24 depend on claims 15 and 11, respectively, and recite that the fine particles are mixed and dispersed in a fluid containing the nucleic acid or protein.

New claim 25 depends on claim 1 and recite forming the multilayers dendrimers on the surface of the fine particles and forming the amino radicals on the surface of the dendrimers.

New claims 26-28 depend on claims 1, 23, and 24, respectively, and recite that the fluid is a solution.

New claim 29 is directed to a fluid containing the dendrimers-compositional substances according to claim 6 mixed and dispersed in the fluid.

New claim 30 depends on claim 29 and recites that the fluid is a solution containing nucleic acid or protein.

Claims 1-30 are pending in the present application. Claims 1, 11, 15, 16, and 20 are the only independent claims.

In the Office Action, claims 1-10 are rejected under 35 U.S.C. 102(a) as anticipated by US2002/0006626 to Kim et al. ("Kim").

Reconsideration and withdrawal of the rejection is respectfully requested. In the process of Kim, washing is performed on a wafer. Thus, it is submitted that the wafer of Kim is completely different from particulate bodies comprising fine particles and mixed or dispersed in a medium.

In contrast, in the present invention as recited in present claim 1, the particulate bodies used in the extraction step are mixed and dispersed in a medium containing the nucleic acid or protein in the extraction step. Correspondingly, in the present invention as recited in present claim 6, the substances which are composed of particulate bodies capable of being mixed and dispersed in a fluid containing nucleic acid or protein and configured so that nucleic acid or protein can be captured by these amino radicals.

An advantage of this feature is that, by using the particulate bodies in a state in which they are mixed and dispersed in the medium containing the nucleic acid or protein, it is possible to perform extraction in a three dimensional space using the fine particles. This feature of the presently claimed invention and its advantages are not taught or suggested in Kim. Therefore, present claim 1, present claim 6, and the claims dependent directly or indirectly thereon, are not anticipated by, and not obvious over, Kim.

In addition, with respect to the dependent claims, it is submitted that the combined features of each of these respective claims are not taught or suggested by Kim. Therefore, each of the respective dependent claims is not anticipated by, and not obvious over, Kim.

In view of the above, it is submitted that the rejection should be withdrawn.

In conclusion, the invention as presently claimed is patentable. It is believed that the claims are in allowable condition and a notice to that effect is earnestly requested.

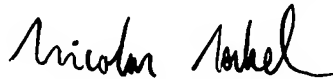
If there is, in the Examiner's opinion, any outstanding issue and such issue may be resolved by means of a telephone interview, the Examiner is respectfully requested to contact the undersigned attorney at the telephone number listed below.

Amendment
Serial No. 10/647,232
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If this paper is not considered to be timely filed, the Applicants hereby petition for an appropriate extension of the response period. Please charge the fee for such extension and any other fees which may be required to Deposit Account No. 50-2866.

Respectfully submitted,

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